

AMENDMENTS TO THE CLAIMS

Claims 1-12 (Canceled)

Claim 13 (Currently Amended) A labeled protein which comprises a protein portion and a labeling compound chemically linked to a C-terminal of the protein portion,

wherein said labeling compound comprises a) an acceptor portion and b) a non-radioactive label substance chemically linked to the acceptor portion, and said acceptor portion comprises one member selected from the group consisting of puromycin, a puromycin derivative having the ability to bind to the C-terminal of a synthesized protein when protein synthesis is carried out in a cell-free protein synthesis system or in a living cell, a 3'-N-aminoacylpuromycin aminonucleoside and a 3'-N-aminoacyladenosine aminonucleoside, said protein being a protein synthesized in a cell-free protein synthesis system or in a living cell in the presence of said labeling compound and said acceptor portion excluding a nucleic acid containing a gene.

Claim 14 (Previously Presented) The labeled protein according to claim 13, wherein said acceptor portion comprises puromycin.

Claim 15 (Previously Presented) The labeled protein according to claim 13, wherein said acceptor portion comprises a puromycin derivative.

Claim 16 (Previously Presented) The labeled protein according to claim 15, wherein said puromycin derivative is one member selected from the group consisting of ribocytidyl puromycin, deoxycytidyl puromycin and deoxyuridyl puromycin.

Claim 17 (Previously Presented) The labeled protein according to claim 13, wherein said label substance is a fluorescent dye.

Claim 18 (Previously Presented) The labeled protein according to claim 17, wherein said fluorescent dye is fluorescein.

Claim 19 (Previously Presented) The labeled protein according to claim 13, wherein said labeling compound is fluoresceinylphosphophpuromycin or fluoresceinylthiophosphophpuromycin.

Claim 20 (Currently Amended) A labeled protein which comprises a protein portion and a labeling compound chemically linked to a C-terminal of the protein portion,

wherein said labeling compound comprises an acceptor portion and a non-radioactive label substance chemically linked to the acceptor portion, and said acceptor portion comprises one member selected from the group consisting of a 3'-N-aminoacylpuromycin aminonucleoside and a 3'-N-aminoacyladenosine aminonucleoside, said protein being a protein synthesized in a cell-free protein synthesis system or in a living cell in the presence of said labeling compound and said acceptor portion excluding a nucleic acid containing a gene.

Claim 21 (Currently Amended) A labeling compound for labeling a protein, which comprises an acceptor portion and a non-radioactive label substance chemically linked to the acceptor portion, wherein said acceptor portion comprises one member selected from the group consisting of puromycin, a puromycin derivative having the ability to bind to the C-terminal of a synthesized protein when protein synthesis is carried out in a cell-free protein synthesis system or in a living cell, a 3'-N-aminoacylpuromycin aminonucleoside and a 3'-N-aminoacyladenosine aminonucleoside, said protein being a protein synthesized in a cell-free protein synthesis system or in a living cell in the presence of said labeling compound and said acceptor portion excluding a nucleic acid containing a gene.

Claim 22 (Currently Amended) The labeling compound according to claim 21, wherein, wherein said acceptor portion comprises one member selected from the group consisting of a 3'-N-aminoacylpuromycin aminonucleoside and a 3'-N-aminoacyladenosine aminonucleoside.